

Multiplication avec la Propriété Distributive (G)

Nom: _____ Date: _____ Note: _____

Utilisez la propriété distributive de la multiplication pour calculer chaque produit.

Ex. 58937×4
 $= (50000 + 8000 + 900 + 30 + 7) \times (4)$
 $= (50000 \times 4) + (8000 \times 4) + (900 \times 4) + (30 \times 4) + (7 \times 4)$
 $= 200000 + 32000 + 3600 + 120 + 28 = \boxed{235748}$

1. 49951×6

2. 97362×8

3. 49332×4

4. 29180×2

5. 67277×7

Multiplication avec la Propriété Distributive (G) Réponses

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Ex. 58937×4

$$\begin{aligned} &= (50000 + 8000 + 900 + 30 + 7) \times (4) \\ &= (50000 \times 4) + (8000 \times 4) + (900 \times 4) + (30 \times 4) + (7 \times 4) \\ &= 200000 + 32000 + 3600 + 120 + 28 = \boxed{235748} \end{aligned}$$

1. 49951×6

$$\begin{aligned} &= (40000 + 9000 + 900 + 50 + 1) \times (6) \\ &= (40000 \times 6) + (9000 \times 6) + (900 \times 6) + (50 \times 6) + (1 \times 6) \\ &= 240000 + 54000 + 5400 + 300 + 6 = \boxed{299706} \end{aligned}$$

2. 97362×8

$$\begin{aligned} &= (90000 + 7000 + 300 + 60 + 2) \times (8) \\ &= (90000 \times 8) + (7000 \times 8) + (300 \times 8) + (60 \times 8) + (2 \times 8) \\ &= 720000 + 56000 + 2400 + 480 + 16 = \boxed{778896} \end{aligned}$$

3. 49332×4

$$\begin{aligned} &= (40000 + 9000 + 300 + 30 + 2) \times (4) \\ &= (40000 \times 4) + (9000 \times 4) + (300 \times 4) + (30 \times 4) + (2 \times 4) \\ &= 160000 + 36000 + 1200 + 120 + 8 = \boxed{197328} \end{aligned}$$

4. 29180×2

$$\begin{aligned} &= (20000 + 9000 + 100 + 80 + 0) \times (2) \\ &= (20000 \times 2) + (9000 \times 2) + (100 \times 2) + (80 \times 2) + (0 \times 2) \\ &= 40000 + 18000 + 200 + 160 + 0 = \boxed{58360} \end{aligned}$$

5. 67277×7

$$\begin{aligned} &= (60000 + 7000 + 200 + 70 + 7) \times (7) \\ &= (60000 \times 7) + (7000 \times 7) + (200 \times 7) + (70 \times 7) + (7 \times 7) \\ &= 420000 + 49000 + 1400 + 490 + 49 = \boxed{470939} \end{aligned}$$